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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Oct 11 12:23:19 EDT 2007

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Application No: 10534544

Version No: 1.1

**Input Set:****Output Set:****Started:** 2007-10-11 12:22:23.608**Finished:** 2007-10-11 12:22:33.770**Elapsed:** 0 hr(s) 0 min(s) 10 sec(s) 162 ms**Total Warnings:** 38**Total Errors:** 0**No. of SeqIDs Defined:** 109**Actual SeqID Count:** 109

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**Input Set:**

**Output Set:**

**Started:** 2007-10-11 12:22:23.608  
**Finished:** 2007-10-11 12:22:33.770  
**Elapsed:** 0 hr(s) 0 min(s) 10 sec(s) 162 ms  
**Total Warnings:** 38  
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**No. of SeqIDs Defined:** 109  
**Actual SeqID Count:** 109

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W 402	Undefined organism found in <213> in SEQ ID (93) This error has occurred more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (105)
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<110> Pietrokovski, Shmuel  
Amitai, Gil

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<140> 10534544

<141> 2005-05-10

<160> 109

<170> PatentIn version 3.2

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20 25 30

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35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Asn  
50 55 60

Gln Thr Leu Ile Ser Asn Lys Ile His Pro Phe Tyr Ser Xaa Xaa Xaa  
65 70 75 80

Trp Ile Gln Ala Gly Arg Leu Lys Lys Gly Asp Thr Leu Leu Ser Glu  
85 90 95

Ser Gly Ala Lys Gln Thr Val Gln Asn Ile Thr Leu Lys Xaa Xaa Xaa  
100 105 110

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20 25 30

Ser Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Asn  
50 55 60

Gln Thr Leu Ile Ser Asn Lys Ile His Pro Phe Tyr Ser Xaa Xaa Xaa  
65 70 75 80

Trp Ile Gln Ala Gly Arg Leu Lys Lys Gly Asp Thr Leu Leu Ser Glu  
85 90 95

Ser Gly Ala Lys Gln Thr Val Gln Asn Ile Thr Leu Lys Xaa Xaa Xaa  
100 105 110

Xaa Lys Ala Tyr Asn Leu Thr Val Ala Asp Trp His Thr Tyr Phe Val  
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Glu Gly Val Trp Val His Asn Asp  
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20 25 30

Ser Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Asn  
50 55 60

Gln Thr Leu Ile Ser Asn Lys Ile His Pro Phe Tyr Ser Xaa Xaa Xaa  
65 70 75 80

Trp Ile Gln Ala Gly Arg Leu Lys Lys Gly Asp Thr Leu Leu Ser Glu  
85 90 95

Ser Gly Ala Lys Gln Thr Val Gln Asn Ile Thr Phe Lys Xaa Xaa Xaa



100

105

110

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 20 25 30

Thr Ile Asn Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 35 40 45

Xaa Xaa Xaa Xaa Xaa Asn Ser Leu Asp Phe Phe Val Thr Ala Asp His  
 50 55 60

Pro Phe Leu Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 65 70 75 80

Xaa Xaa Xaa Xaa Xaa Ala Leu Asn Val Thr Gln Leu Val Ile Gly Asp  
85 90 95

Thr Leu Ile Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
100 105 110

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35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60

Xaa Xaa Glu Asp Glu Ser Leu Leu Val Thr Pro Gly His Pro Phe Tyr  
65 70 75 80

Val Xaa Xaa Xaa Xaa Xaa Phe Val Pro Val Ile Asp Leu Lys Pro Gly  
85 90 95

Asp Arg Leu Gln Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys Thr Tyr Asn  
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20 25 30

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35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60

Xaa Xaa Ser Ser Glu Thr Leu Glu Val Thr Pro Gly His Pro Phe Tyr  
65 70 75 80

Val Xaa Xaa Xaa Xaa Xaa Phe Val Pro Leu Ile Glu Leu Gln Pro Gly  
85 90 95

Asp Arg Leu Gln Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
100 105 110

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg Thr Tyr Asn  
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Trp Val His Asn Val  
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20 25 30

Gly Gly Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60

Xaa Xaa Glu Gly Glu Thr Leu Leu Val Thr Pro Ser His Pro Phe Tyr  
65 70 75 80

Val Xaa Xaa Xaa Xaa Xaa Phe Val Pro Ala Ile Asn Leu Lys Pro Gly  
85 90 95

Asp Leu Leu Gln Ser Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
100 105 110

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Lys Thr Phe Asn  
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20 25 30

Thr Thr Gly Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Gly Ser Thr  
50 55 60

Leu Thr Ser Thr Thr His His Pro Tyr Trp Ser Xaa Xaa Xaa Xaa Xaa  
65 70 75 80

Trp Lys Asn Ala Gly Asp Leu Glu Ala Gly Asp Thr Leu Arg Thr Pro  
85 90 95

Gln Asn Thr Ala Val Val Ile Ala Ala Thr His Asp Trp Xaa Xaa Xaa  
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20 25 30

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35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60

His Gly Gly Val Val Val Ala Thr Asp Ala His Pro Phe Trp Val Xaa  
65 70 75 80

Xaa Xaa Xaa Xaa Trp Val Ala Ala Ile Asp Leu Glu Pro Gly Thr Trp  
85 90 95

Leu Arg Thr Ser Ala Gly Thr Trp Val Gln Val Arg Ala Val Ala Val  
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Arg Xaa Xaa Xaa Xaa Xaa Arg Val His Asn Leu Thr Val Ala Asp Leu  
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